IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ZARRO, et al.

Examiner:

Serial No.:

Group No.:

Filed:

Herewith

Title:

MULTI-BAND HORN ANTENNA USING FREQUENCY SELECTIVE

SURFACES

INFORMATION DISCLOSURE STATEMENT **PURSUANT TO 37 CFR 1.97(b)**

Mail Stop Patent Applications Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The accompanying documents are being submitted in compliance with 37 CFR 1.97 and 1.98. A list of documents on form PTO-1449 together with a concise explanation or a translation of each non-English language document is enclosed herewith.

This paper is submitted in accordance with 37 CFR 1.97(b) and a fee is not required for consideration of these documents.

Respectfully submitted,

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Docket No. 7162-98

Sheet 1 of 1 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. Form PTO-1449 APPLICATION NO. 7162-98 (Rev. 2-88) APPLICANT **INFORMATION DISCLOSURE STATEMENT** ZARRO, et al. FILING DATE GROUP BY APPLICANT (Use several sheets if necessary) **U.S. PATENT DOCUMENTS** DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE EXAMINER'S IF APPROPRIATE INITIAL FOREIGN PATENT **DOCUMENTS** DATE DOCUMENT NUMBER COUNTRY CLASS SUBCLASS TRANSLATION YES NO PCT/GB92/01173 6/29/92 PCT OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) "Wave guidance and radiation from a hollow tube formed from frequency-selective surfaces," A.J. Robinson, J.C. Vardaxoglou, and R.D. Seager, Electronics Letters, Aug. 19, 1993, Vol. 29, No. "Realisation of frequency selective horn antenna incited from passive array," J.C. Vardaxoglou, R.D. Seager and A.J. Robinson, Electronics Letters, Oct. 8, 1992, Vol. 28, No. 21. "Development of a 7.2-, 8.4-, and 32-Gigahertz (X-/X-/Ka-BAnd) Three-Frequency Feed for the Deep Space Network," Stanton, P.H.; Hoppe, D.J., and Reilly, H. TMO Progress Report 42-145, May 15, 2001 "Frequency Selective Surfaces in the GHz and the THz Region: Analysis and Experimental Results," Bozzi, Maurizio and Perregrini, Luca. Terahertz and Gigahertz Electronics and Photonics, II. Proceedings of SPIE Vo. 4111 (2000) "Arrays of Concentric Rings as Frequency Selective Surfaces," Parker, E.A., Hamday, S.M.A., and Langley, R.J. Electronics Letters, Nov. 12, 1981, Vol. 17, No. 23. "Single-Layer Multiband Frequency-Selective Surfaces," Lee, C.K., Langley, R.J., and Parker, E.A. IEE Proceedings, Vo. 132, Pt. H. No. 6, October 1985. "Frequency Selective Surfaces," Parker, E.A., Langley, R.J., Cahill, R., and Vardaxoglou, J.C. Electronics Laboratories, The University of Kent, Canterbury, UK. Pg. 459. "Novel for 'Soft' Horn Antenna for Multiband Operation," Vardaxoglou, J.C., Seager, Robert D., Robinson, Alan J. Loughborough University of Technology, Department of Electronic and Electrical Engineering, Loughborough Leicestershire LE 11 3TU FXAMINER DATE CONSIDERED

* EXAMINER: Initial if a citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.